

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Jeffrey T. Cheung, Hao Xin

Title: ELECTRICAL GENERATOR WITH FERROFLUID BEARINGS

Assistant Commissioner for Patents  
Box Patent Application  
Washington, D.C. 20231

*TO  
T. S. Koppel  
8-16-02*

JCT74 U.S. PTO  
10/078724  
02/19/02

## INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed are Form PTO-1449 and copies of the listed references for the above application.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

Respectfully submitted,

February 19, 2002

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| FORM PTO-1449 (Modified)<br>INFORMATION DISCLOSURE CITATION<br>IN AN APPLICATION<br>(Use several sheets if necessary) |  |  |  |  |  |  | Docket No. 01SC136US1       |  | Application Number |  |
|                                                                                                                       |  |  |  |  |  |  | Applicant Jeffrey T. Cheung |  |                    |  |
|                                                                                                                       |  |  |  |  |  |  | Filing Date                 |  | Group Art Unit     |  |

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## U. S. PATENT DOCUMENTS

| Examiner Initial | Document Number |   |   |   |   |   |   | Date     | Name            | Class | Subclass | Filing Date If Appropriate |
|------------------|-----------------|---|---|---|---|---|---|----------|-----------------|-------|----------|----------------------------|
|                  | 3               | 7 | 2 | 6 | 5 | 7 | 4 | 4/10/73  | Tuffias et al   | 308   | 36.3     | 8/13/71                    |
|                  | 3               | 7 | 4 | 6 | 4 | 0 | 7 | 7/17/73  | Stiles et al    | 308   | 36.3     | 8/13/71                    |
|                  | 3               | 8 | 3 | 4 | 7 | 7 | 5 | 9/10/74  | Tuffias et al   | 308   | 36.3     | 5/26/72                    |
|                  | 3               | 9 | 7 | 7 | 7 | 3 | 9 | 8/31/76  | Moskowitz et al | 308   | 187      | 9/6/74                     |
|                  | 4               | 0 | 6 | 4 | 4 | 0 | 9 | 12/20/77 | Redman          | 310   | 306      | 7/28/76                    |
|                  | 4               | 1 | 7 | 1 | 8 | 1 | 8 | 10/23/79 | Moskowitz et al | 277   | 80       | 4/4/77                     |
|                  | 4               | 2 | 6 | 0 | 9 | 0 | 1 | 4/7/81   | Woodbridge      | 290   | 42       | 2/26/79                    |
|                  | 4               | 3 | 5 | 6 | 0 | 9 | 8 | 10/26/82 | Chagnon         | 252   | 62.51    | 9/15/80                    |
|                  | 4               | 3 | 5 | 7 | 0 | 2 | 4 | 11/2/82  | Raj             | 277   | 1        | 11/19/80                   |
|                  | 4               | 4 | 3 | 0 | 2 | 3 | 9 | 2/7/84   | Wyman           | 252   | 62.51    | 2/7/83                     |
|                  | 4               | 4 | 8 | 5 | 0 | 2 | 4 | 11/27/84 | Furumura et al  | 252   | 62.56    | 3/25/83                    |
|                  | 4               | 6 | 7 | 3 | 9 | 9 | 7 | 6/16/87  | Gowda et al     | 360   | 107      | 9/9/85                     |

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|  | Document Number | Date | Country | Class | Subclass | Translation |    |
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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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|                                                                                                                       |  |  |  |  |  |  |  | Applicant Jeffrey T. Cheung |                    |  |  |                |  |  |  |
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|------------------|-----------------|---|---|---|---|---|----------|----------------|------|-------|----------|----------------------------|
| 4                | 6               | 8 | 7 | 5 | 9 | 6 | 8/18/87  | Borduz et al   | 252  | 510   | 6/19/86  |                            |
| 4                | 7               | 0 | 6 | 4 | 9 | 8 | 11/17/87 | Nemnich et al  | 73   | 516   | 9/23/85  |                            |
| 4                | 7               | 3 | 2 | 7 | 0 | 6 | 3/22/88  | Borduz et al   | 252  | 510   | 5/26/87  |                            |
| 4                | 7               | 3 | 4 | 6 | 0 | 6 | 3/29/88  | Hajec          | 310  | 90.5  | 11/20/85 |                            |
| 4                | 7               | 9 | 7 | 0 | 1 | 3 | 1/10/89  | Raj et al      | 384  | 462   | 2/9/87   |                            |
| 4                | 8               | 9 | 8 | 4 | 8 | 0 | 2/6/90   | Raj et al      | 384  | 446   | 10/27/88 |                            |
| 4                | 9               | 3 | 8 | 8 | 8 | 6 | 7/3/90   | Lindsten et al | 252  | 62.51 | 9/21/88  |                            |
| 5                | 0               | 8 | 5 | 7 | 8 | 9 | 2/4/92   | Yokouchi et al | 252  | 62.52 | 4/30/90  |                            |
| 5                | 1               | 7 | 5 | 4 | 5 | 7 | 12/29/92 | Vincent        | 310  | 15    | 10/28/91 |                            |
| 5                | 3               | 2 | 3 | 0 | 7 | 6 | 6/21/94  | Hajec          | 310  | 90    | 1/22/93  |                            |
| 5                | 3               | 4 | 7 | 1 | 8 | 6 | 9/13/94  | Konotchick     | 310  | 17    | 5/26/92  |                            |

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|------------------|-----------------|---|---|---|---|---|---------|---------------|------|--------|----------|----------------------------|
| 5                | 4               | 1 | 7 | 5 | 0 | 7 | 5/23/95 | Uno et al     | 384  | 107    | 2/4/93   |                            |
| 5                | 4               | 4 | 4 | 3 | 1 | 3 | 8/22/95 | Oudet         | 310  | 17     | 7/8/94   |                            |
| 5                | 4               | 5 | 2 | 5 | 2 | 0 | 9/26/95 | Raj et al     | 33   | 366    | 3/14/94  |                            |
| 5                | 4               | 9 | 0 | 4 | 2 | 5 | 2/13/96 | Raj et al     | 73   | 745    | 3/14/94  |                            |
| 5                | 7               | 8 | 0 | 7 | 4 | 1 | 7/14/98 | Raj           | 73   | 514.08 | 2/11/97  |                            |
| 5                | 8               | 1 | 8 | 1 | 3 | 2 | 10/6/98 | Konotchick    | 310  | 17     | 1/13/97  |                            |
| 5                | 8               | 9 | 9 | 2 | 2 | 0 | 5/4/99  | Alcocer et al | 137  | 13     | 12/3/96  |                            |
| 6                | 0               | 2 | 0 | 6 | 6 | 4 | 2/1/00  | Liu et al     | 310  | 90     | 5/18/99  |                            |
| 6                | 0               | 5 | 6 | 8 | 8 | 9 | 5/2/00  | Tsuda et al   | 252  | 62.52  | 10/10/97 |                            |
| 6                | 2               | 0 | 8 | 7 | 4 | 3 | 3/27/01 | Marten et al  | 381  | 415    | 3/18/97  |                            |
| 6                | 2               | 6 | 1 | 4 | 7 | 1 | 7/17/01 | Tsuda et al   | 252  | 62.52  | 10/15/99 |                            |

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